

Title (en)

Computer-implemented techniques and system for characterizing geometric parameters of an edge break in a machined part

Title (de)

Computerimplementierte Techniken und System zur Charakterisierung von geometrischen Parametern eines Kantenrisses eines Fertigteils

Title (fr)

Techniques assistées par ordinateur et système de caractérisation des paramètres géométriques d'une rupture de bord sur une pièce usinée

Publication

EP 1785940 A2 20070516 (EN)

Application

EP 06255812 A 20061113

Priority

US 27457905 A 20051115

Abstract (en)

A computer-implemented method, system, and computer program code are provided for characterizing an edge break (14), e.g., part features and/or geometric discontinuities that could give rise to edge sharpness, as may be encountered in a chamfer, bevel, fillet and other part features. The methodology enables to accurately and consistently determine in a manufacturing setting, for example, any applicable geometric parameter for characterizing the edge break.

IPC 8 full level

G01B 11/25 (2006.01); **G06T 7/60** (2006.01)

CPC (source: EP US)

G01B 11/255 (2013.01 - EP US); **G06T 7/64** (2016.12 - EP US); **G06T 2207/10028** (2013.01 - EP US); **G06T 2207/30108** (2013.01 - EP US)

Cited by

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AL BA HR MK RS

DOCDB simple family (publication)

EP 1785940 A2 20070516; **EP 1785940 A3 20100602**; **EP 1785940 B1 20130109**; CN 1967141 A 20070523; JP 2007139774 A 20070607; JP 5054356 B2 20121024; US 2007112543 A1 20070517; US 7499830 B2 20090303

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EP 06255812 A 20061113; CN 200610148527 A 20061115; JP 2006308642 A 20061115; US 27457905 A 20051115